

PROFESSIONAL SUMMARY

- **Google Cloud Certified Professional Cloud Architect** and Cloud Engineer with 3+ years designing, automating and operating production-grade **GCP** environments (plus AWS & Azure), from landing-zone design through day-2 operations.
- **Kubernetes** practitioner on **GKE** and AKS: Deployments, Services, Ingress, ConfigMaps & Secrets, with GitOps delivery through **Argo CD** and Helm, and self-managed clusters provisioned using **Kubespray**.
- **Cloud networking & IAM** practitioner: VPC and subnet design, firewall rules, VPC peering, internal/external Cloud Load Balancing, Cloud DNS, Cloud NAT and IAP, applying strict **least-privilege IAM** (custom roles, scoped service accounts).
- **Automation first**: infrastructure as code with **Terraform** and Ansible, and CI/CD pipelines built on GitLab CI/CD, GitHub Actions and Cloud Build to standardize provisioning and application delivery across projects.
- **Trusted technical advisor** to enterprise customers and partners (Qatar Customs / GBM Qatar engagement), owning HLD/LLD design, monolith-to-container migration strategy, and technical scope, timelines and deliverables with stakeholders.

EXPERIENCE

Astrolab-Group

 **August. 2024 – Present**

DevOps Engineer

 Sousse, Tunisia 

- ▶ Acted as **trusted technical advisor** on a consulting engagement for GBM Qatar, designing and provisioning UiPath (RPA) infrastructure on **Google Cloud Platform** together with Qatar Customs and UiPath teams: VPCs, subnets, firewall rules, VPC peering, internal load balancer, Cloud NAT, IAP, private Cloud DNS, Cloud Routes and Cloud SQL, supporting the client through installation, validation and go-live.
- ▶ Deployed and operated containerized workloads on **Kubernetes (GKE)** using **Deployments, Services, Ingress** with TLS, and **ConfigMaps and Secrets** for application configuration and credential management.
- ▶ Implemented **GitOps** continuous delivery with **Argo CD** and Helm (automated sync, self-healing and drift detection), making rollouts across dev, staging and production declarative, auditable and easy to roll back.
- ▶ Provisioned a low-cost, highly available 3-node Kubernetes cluster across VMs using **Kubespray** (Ansible-based), as an alternative to a managed control plane.
- ▶ Implemented **least-privilege IAM** on GCP: purpose-scoped service accounts, custom roles, and project- and folder-level policy bindings replacing broad primitive roles, with separation of duties across environments.
- ▶ Implemented reusable GitLab CI/CD Components (spec:inputs) to standardize deployment pipelines, centralize CI/CD logic, and automate infrastructure provisioning (**Terraform**) and application deployments (Ansible), reducing maintenance effort and accelerating delivery across projects.
- ▶ Defined and executed strategies to migrate legacy monolithic and VM-based applications to container-based architectures on Kubernetes, covering service decomposition, ingress routing, secret management and automated deployment.
- ▶ Engineered a secure, public-facing ingress architecture for internal DevOps and administration tools utilizing Cloudflare Tunnels (cloudflared), entirely eliminating the need for open inbound firewall ports or public static IPs.
- ▶ Built and optimized CI/CD pipelines using GitLab CI, GitLab Runners, GitHub Actions, and Google Cloud Build to build, scan, containerize and deploy applications to GKE and VMs.
- ▶ Designed system architectures, technical specifications, and diagrams (HLD/LLD) from design to delivery, managing technical scope, timelines and deliverables with stakeholders.
- ▶ Designed and deployed full Amazon Web Services (AWS) architectures including VPCs, public/private subnets, EC2, IAM, SNS, S3, CloudWatch, Amazon Textract, and MongoDB on AWS.
- ▶ Developed Ansible playbooks for automated deployments (CD), configuration management, and pipeline optimization, including secure storage and management of production .env files and credentials using Ansible Vault.
- ▶ Dockerized backend and frontend applications; configured and optimized Nginx reverse proxy with SSL/TLS, and optimized Dockerfiles using multi-stage builds to significantly reduce image size and build time.
- ▶ Performed cloud cost estimation, pricing analysis, and infrastructure optimization (FinOps), achieving cost reduction and improved resource utilization.

- ▶ Migrated legacy systems and platforms (CMS, Plesk, MySQL, WordPress) with minimal downtime.

Yobi

 **Apr. 2024 – Present**

DevOps Engineer (Freelance, Part-Time)

 *Remote, United States* 

- ▶ Managed cloud services with SRE practices, deploying, scaling, and monitoring applications across **AWS** and **GCP**, ensuring high availability and SLA compliance.
- ▶ Containerized, built, released, and deployed multiple applications using **Docker** and **Ansible**
- ▶ Developed CI/CD pipelines for various applications using **Gitlab-CI** and **Google Cloud Build**.
- ▶ Deployed and maintained multiple internal tools, including N8N, Outline, Mattermost, Plane, NocoDB, Grist, Draw.io, Redash, Nextcloud, Odoo.
- ▶ Implemented backup and recovery strategies for internal tools, including automated lifecycle policies to delete backups older than seven days.
- ▶ Built CI/CD pipelines that reduced the test, integration, and deployment process from +1 hour to 17 minutes, improving release velocity and incident response time.
- ▶ Configured and deployed AWS **CloudFront** distribution, implemented SSL/TLS with a custom domain, set up pipeline for automated deployments, and optimized caching with automatic invalidation.
- ▶ Implemented Zero Trust Network Access (ZTNA) policies at the edge, leveraging **Cloudflare** Access to enforce contextual authentication, multi-factor authorization, and secure posture checks before granting access to internal environments.
- ▶ Worked closely with development and QA teams to streamline software releases and ensure rapid issue resolution.
- ▶ Reduced the monthly cost of cloud services through observability-driven optimization and resource right-sizing.
- ▶ Authored and maintained comprehensive runbooks and documentation in the internal Outline wiki to enhance knowledge sharing, onboarding, and incident management.

Mobelite

 **Mar. 2024 – Jul. 2024**

DevOps Engineer (end of studies internship)

 *Tunis, Tunisia* 

- ▶ Containerized apps with multi-stage builds, and built CI/CD pipelines via GitHub Actions.
- ▶ Deployed containerized applications to **Kubernetes (AKS)** using Deployments, Services, Ingress controllers and Secrets, with **Argo CD** driving GitOps-based automated sync, rollback and drift detection.
- ▶ Managed monitoring and observability solutions using Prometheus and Grafana to track traffic, visualize performance, and define SLOs.
- ▶ Created TLS certificates for domain names to secure communication.
- ▶ Provisioned and configured an Azure SQL Database for MySQL, integrating it with a Node.js backend by setting up the necessary configuration for seamless database connectivity.

Horizon School of Digital Technologies

 **Jan. 2024 – Jun. 2024**

Teaching Assistant

 *Sousse, Tunisia* 

- ▶ Guided students in ReactJS, HTML, CSS and JavaScript, supporting lab sessions and mentoring them through technical challenges.
- ▶ Developed strong communication, presentation and leadership skills while guiding students through their learning journey.

Proxym-Group

 **Nov. 2022 – Dec. 2023**

Frontend Developer

 *Sousse, Tunisia* 

- ▶ Developed responsive, high-performance web applications using ReactJS, translating UI/UX designs into reusable, accessible and maintainable components.
- ▶ Implemented state management with Redux and Redux-Saga and integrated RESTful APIs with Axios to deliver dynamic content.
- ▶ Optimized application performance through code splitting, lazy loading and memoization, ensuring cross-browser compatibility and responsiveness.
- ▶ Integrated Keycloak for front-end authentication with customized corporate themes, collaborating with backend teams in an Agile, Git-based workflow.

Satoripop

 **Feb. 2022 – Jun. 2022**

Full-stack Developer (end of studies internship)

 *Sousse, Tunisia* 

- ▶ Designed and implemented a full-featured admin panel for managing vouchers using ReactAdmin, enabling seamless CRUD operations and tracking of coupon usage.
- ▶ Built RESTful APIs using LoopBack4 and MongoDB to support robust backend functionality for voucher management, including CRUD operations and user authentication with JWT tokens.
- ▶ Developed a React Native mobile app to enable end-users to redeem and track vouchers, integrating the backend RESTful APIs and JWT-based authentication for a seamless, secure experience.

EDUCATION

Horizon University of Digital Technologies

Master in Software Engineering & DevOps

📅 Sep. 2022 – Jul. 2024

📍 Sousse, Tunisia 🇹🇳

Higher Institute of Technological Studies (isetSo)

Bachelor of Information Technology

📅 Sep. 2019 – Jun. 2022

📍 Sousse, Tunisia 🇹🇳

PERSONAL PROJECTS

From Diagram as Code to Infrastructure as Code (DaC 2 IaC) - MCP Server

- ▶ Architected and developed a custom Model Context Protocol (MCP) server that converts natural language infrastructure requirements into validated cloud architectures and generates editable Draw.io diagrams, with an interactive approval step for infrastructure-as-code (Terraform) generation.
- ▶ Engineered an automated parsing and validation engine that transforms technical text descriptions into multi-layered, fully editable Cloud Architecture Diagrams in Draw.io format, incorporating best-practice checks prior to output generation.
- ▶ Streamlined the DevOps documentation lifecycle by bridging generative AI, architecture validation, diagram automation, and Terraform IaC generation into a unified workflow for consistent, production-ready infrastructure design.

Hybrid Edge-Routing Mail Infrastructure

- ▶ Designed and implemented a zero-cost, high-reliability custom mail routing matrix for (zi3d.tn) leveraging Cloudflare Email Routing at the edge for inbound traffic.
- ▶ Integrated a dedicated Brevo SMTP relay for outbound delivery, securing bi-directional custom-domain communication directly within a standard consumer Gmail interface.
- ▶ Hardened domain security and sender reputation by configuring cryptographic DKIM keys, DMARC compliance, and unified SPF records to achieve a 100% email deliverability rate.

Dynamic Multi-Tenant SaaS Platform

- ▶ Designed and developed a multi-tenant SaaS platform using FastAPI, React, Vite, and PostgreSQL, supporting organization management, role-based access control (RBAC), and row-level security (RLS).
- ▶ Built a centralized identity and authentication system with ZITADEL, implementing SSO, invitation-based onboarding, automated user provisioning, and lifecycle synchronization across the platform.
- ▶ Implemented modern DevOps practices with Docker, Docker Compose, GitLab CI, and automated database migrations, following a modular, API-first architecture.
- ▶ Developed reusable UI components, internationalization (i18n), and scalable frontend architecture with TypeScript, React Query, Zod, and shadcn/ui.

TECHNICAL SKILLS

Infrastructure, Automation & DevOps

Kubernetes: GKE, AKS, Kubespray, Deployments, Services, Ingress, ConfigMaps & Secrets, Helm, kubectl

CI/CD & GitOps: Git, GitLab CI/CD, GitHub Actions, Cloud Build, Argo CD

IaC & Automation: Terraform, Ansible (playbooks, roles, Vault), Bash

Containerization: Docker, Podman, multi-stage builds, Artifact/Container Registry

Ops & Security: Linux, Nginx, Prometheus, Grafana, Cloudflare (Tunnels, Access/ZTNA), Certbot

Google Cloud Platform (GCP)

☀️ **Certified:** [Google Professional Cloud Architect \(PCA\)](#) 

Compute: GKE, Compute Engine, Cloud Run, App Engine, Instance Groups

Networking: VPC, Subnets, Firewall Rules, VPC Peering, Cloud Load Balancing (internal & external), Cloud DNS, Cloud NAT, Cloud CDN, Cloud Armor, IAP, Cloud Routes, Private Service Connect

Security & IAM: Least-privilege IAM, Custom Roles, Service Accounts, Org Policies, Secret Manager, KMS
Storage & DB: Cloud Storage, Cloud SQL, AlloyDB, BigQuery, Spanner, Memorystore
Tools & AI: Cloud Build, Artifact Registry, Cloud Logging & Monitoring, Pub/Sub, Vertex AI, Marketplace, Calculator, Model Armor

- **Amazon Web Services (AWS)**
Compute: EC2, EKS, ECS, Fargate, ASG
Storage: S3, S3 Glacier, EBS, FSx
Database: RDS, DocumentDB, ElastiCache, Athena
Networking & Content Delivery: VPC, ELB, CloudFront, Route53
Management & Governance: IAM, KMS, ACM, SNS, CloudWatch, Textract, CodeCommit, Wickr, Marketplace, Calculator

- **Microsoft Azure**
Core Services: EntraID, VNets, VMs, AKS, ACR, SQL DB, Marketplace, Calculator

- Software Engineering**
Backend & Scripting: Python, FastAPI, Bash, Java, PHP, Symfony, LoopBack4, Firebase, Postman
Frontend: ReactJS, React Native, Redux (Saga/RTK), HTML/CSS, JavaScript, TypeScript, Dart, Flutter
Database: SQL, PostgreSQL, MySQL, MongoDB
- Productivity & Methodology**
Tools: Jira, ClickUp, Cursor, Google Antigravity, Microsoft 365, Google Workspace, GoogleAppsScript
Creative: Adobe Photoshop, Adobe Illustrator, Teamwork, Agile

CERTIFICATIONS

Google Professional Cloud Architect (PCA)  **ECo-C Communication Certified**  **TOEIC Certified** 

LANGUAGES

- **Arabic**
Native
- **English**
Advanced |  
- **French**
Intermediate
- **German**
Beginner